

Title (en)
APPARATUS, SYSTEM AND METHOD FOR THE GENERATION OF POLYGONAL MESHES

Title (de)
VORRICHTUNG, SYSTEM UND VERFAHREN ZUR ERZEUGUNG POLYGONALER NETZE

Title (fr)
APPAREIL, SYSTÈME ET PROCÉDÉ DE GÉNÉRATION DE MAILLAGES POLYGONAUX

Publication
EP 3736776 B1 20231025 (EN)

Application
EP 20169473 A 20200414

Priority
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Abstract (en)
[origin: EP3736776A1] A method of generating a data set for training a system to generate data of a polygonal mesh by adapting data of an input polygonal mesh comprises obtaining data of a plurality of reference polygonal meshes for use in rendering a content, each reference polygonal mesh comprising a plurality of vertices for representing a surface in the content and for each reference polygonal mesh: determining a vertex count of the reference polygonal mesh, generating a second polygonal mesh by adding a predetermined number of vertices to the reference polygonal mesh, comparing a representation of the second polygonal mesh with a representation of the reference polygonal mesh, assigning a first value of a quality parameter to the reference polygonal mesh, and assigning a second value of the quality parameter to the second polygonal mesh based on the comparison of the representations, the value of the quality parameter for a given polygonal mesh indicative of a degree of difference between a representation of the given polygonal mesh and a representation of the reference polygonal mesh, and generating a data set comprising data indicative of the vertex count for the reference and second polygonal meshes and the value of the quality parameters for the reference and second polygonal meshes.

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